

PUB-NO: WO003006724A1

DOCUMENT-IDENTIFIER: WO 3006724 A1

TITLE: PROCESS FOR THE MANUFACTURE OF HOMOPOLYAMIDE-4,6 FIBERS.

PUBN-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	COUNTRY
RUITEN, VAN JIPPE	NL
KUNST, JOAN ALBERT FRANS	NL
RULKENS, RUDY	NL
PENNING, JAN PAUL	NL

ASSIGNEE-INFORMATION:

NAME	COUNTRY
DSM NV	NL
RUITEN VAN JIPPE	NL
KUNST JOAN ALBERT FRANS	NL
RULKENS RUDY	NL
PENNING JAN PAUL	NL

APPL-NO: NL00200441

APPL-DATE: July 5, 2002

PRIORITY-DATA: US30338901P (July 9, 2001)

INT-CL (IPC): D01F006/60, C08G069/30

EUR-CL (EPC): C08G069/04 ; C08G069/06, C08G069/30 , D01F006/60

ABSTRACT:

CHG DATE=20030403 STATUS=O>The invention relates to a process for the manufacture of homopolyamide-4,6 fibers by melt spinning of homopolyamide-4,6, to fibers and multifilament yarns obtainable by the process and the use thereof for the reinforcement of rubber like in tire cords, V-belts etc. The

invention

further relates to a novel homopolyamide-4,6, a process for the manufacture

thereof and the use of the new homopolyamide-4,6 for the manufacture of fibers,

films and injection molded articles. The homopolyamide-4,6 fiber is manufactured by melt spinning of homopolyamide-4,6 having nascent morphology

with a melting enthalpy of at least 140 J/g and a main melting temperature

between 290 and 305 °C.